

## CLAIMS

1. An emergency floatation jacket suitable for wear during recreation, play and sleeping that provides emergency floatation capability in accidental deep water immersion to keep the wearer's face above the water surface, said jacket comprising:

a) an airtight backing support material having an upper edge, a lower edge and vertical edges,

b) a front airtight covering material bonded to said airtight backing support structure,

c) front and back collar air reservoirs located adjacent to the upper edge of said airtight backing support material by forming and bonding the front airtight covering material, wherein said reservoirs act as floats for the wearer's head,

d) front and back air reservoirs located adjacent the lower edge of the airtight backing support material by forming air-pockets with the front airtight covering material,

e) a plurality of air transport tubes interconnecting said collar air reservoir floats and said air reservoirs, and

f) means for fastening the vertical edges of the airtight backing support material.

2. The emergency floatation jacket according to claim 1 wherein at least one collar air reservoir float is positioned on said airtight backing support material adjacent the wearer's neck and head so as to maintain their face above the water surface during floatation.

3. The emergency floatation jacket according to claim 2 wherein there is at least two of said interconnected collar air reservoir floats are positioned adjacent the neck and head so as to keep the wearer's face above the water surface during deep immersion.

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2 4. The emergency floatation jacket suitable according to claim 3 that has  
3 at least one front and one back air reservoir interconnected by air  
4 transfer tubes positioned at the lower edge and that have a combined  
5 volume equal or greater than the total of said collar air reservoir float  
6 volume.

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8 5. The emergency floatation jacket according to claim 4 that has at least  
9 one interconnected air transfer tubes wherein said air reservoir is  
10 positioned at the jacket's lower edge has a tapered upper configuration  
11 funneling its air to an upper air transfer tube.

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13 6. The emergency floatation jacket according to claim 5 wherein said  
14 upper air transfer tubes connecting the lower reservoirs extend to the  
15 upper locations within said collar floats.

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17 7. The emergency floatation jacket according to claim 1 wherein the  
18 volume of air in said collar floats and said air reservoirs can readily  
19 move from one to the other during recreational use or reclined sleep  
20 allowing them to flatten and minimize body interference.

1 8. An emergency floatation jacket suitable for wear during recreation play  
2 and sleeping that provides emergency floatation capability in accidental  
3 deep water immersion to keep the wearer's face above the water surface,  
4 said jacket comprising:

5 a) an airtight backing support structure having an upper edge and  
6 a lower edge,

7 b) an airtight front covering material with selected airtight  
8 bonding to said backing support structure,

9 c) front and back collar air reservoirs located adjacent to the  
10 upper edge of said backing support structure by forming and  
11 bonding the front covering material and wherein said reservoirs  
12 act as floats for the wearer's head,

13 d) front and back air reservoirs located at the lower edge  
14 of the backing support structure by forming air-pockets with the  
15 airtight front covering material,

16 e) a plurality of air transport tubes interconnecting said collar air  
17 reservoir floats and said air reservoirs; and

18 f) a fastening means for the vertical edges of the airtight backing  
19 support material wherein the combination acts to transfer air in  
20 the air transfer tubes to upper collar floatation means because of  
21 the difference in water pressure when the person wearing the  
22 jacket assumes a normal heads-up orientation in the water.

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24 9. The emergency floatation jacket according to claim 8 having a  
25 combined total contained air that provide the required volume to the  
26 collar floats and having the air reservoirs with interconnecting air  
27 transfer tubes that readily transfer said air from one location to another  
28 and to minimize body interference during the recreation and sleep times  
29 of the wearer by allowing such air volume transfer.  
30

1 10. The emergency floatation jacket according to claim 9 wherein said air  
2 reservoirs are divided in two parts by a bonded seam that starts at the  
3 lowest reservoir extremity and terminates between 50 and 75 percent  
4 of the reservoir's upper length to provide greater lower puncture air  
5 loss isolation and minimize billowing when inflated.

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7 11. The emergency floatation jacket according to claim 10 wherein a  
8 jacket fastener means is provided in a wearer- inaccessible location  
9 such as the back center.

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11 12. The emergency floatation jacket according to claim wherein a jacket  
12 fastener means such as a zipper is provided.

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14 13. The emergency floatation according to claim 10 wherein a jacket  
15 fastener means such as VELCRO<sup>TM</sup> are provided

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17 14. The emergency floatation jacket according to claim 8 wherein said  
18 lower backing structure has at least one elastic scrim section to provide  
19 adjustable fit.

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21 15. The emergency floatation jacket according to claim 8 wherein a  
22 between-the-legs strap is provided with fastening means.